TEST RESULTES ON STRUCTURAL STEEL

Lab ID : **CP-2018-03-12-01** **Date: 13-03-18**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of compound wall and other development works to Dr.B.R.Ambedkar Bhavana in Ward No.04 at Yelahanka.

Agency : Sri.H.V Omkarappa, Bangalore.

Customer's Reference : EE(Project)/YNKZone/AG/120/2017-18

Sourse of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-03-18

Sample ID No : 2018-03-12-01/01

Type/ Description of Sample* : ISMC 100 For AC Stand

Reference to BIS codes : IS 2062: 2011, IS:1608-2005(RA 2011), IS 1599-2012.

Date of testing : 12-03-18

SL.NO	Description	Result	Required as per as IS Code 2062: 2011	Remarks
1	Weight/Meter	9.22 Kg /m	9.20 Kg/m	
2	Thickness	4.70 mm	–	
3	Yeild Stress	297 N/mm^2	250 N/mm^2	
4	Tensile Strength	472 N/mm^2	410 N/mm^2	
5	Elongation Percentage	17.5%	Min 15%	
6	Bend Test	Satisfactory	–	

*** As Furnished by the Customer**

Note:-

The results pertain to the samples received and tested.
All information furnished by Customer/Representative.
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Samples will be disposed after 30 days from the date of issue of test certificate

Asst. Executive Engineer
Project Division.
Yelahanka Zone
Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CEMENT CONCRETE FLOORING TILES

Lab ID	: **CP-2018-03-19-01**	**Date: 21-03-18**
Customer	: Assistant Executive Engineer, Project Division, BBMP, Bangalore.	
Address	: Project Division, BBMP, Bangalore.	
Project Name	: Construction of compound wall and other development works to Dr.B.R.Ambedkar Bhavana in Ward No.04 at Yelahanka.	
Agency	: Sri.H.V Omkarappa, Bangalore.	
Customer Reference	: EE(Project)/YNKZone/AG/120/2017-18	
Source of Sample	: Sample supplied by Agency	
Sample Condition	: Satisfactory	
Date of Receipt	: 19-03-18	
Sample ID No	: 2018-03-19-01/01	
Sample Type	: Pre-Polished Designer Cement Concrete Tiles	
Reference to BIS codes	: IS 1237:2012	
Date of test	: 19-03-18	

4. Water Absorption

Sl.No.	Measured Dimension (mm)			Water Absorption	Average	Requirement as per IS:1237-2012
	L	B	T	(%)	(%)	
1	400	399	25.09	2.530	2.21	The average percentage of water absorption shall not exceed 10.
2	401	401	25.05	1.920		
3	400	401	25.11	2.170		
4	400	399	25.06	2.060		
5	399	400	25.17	1.800		
6	400	400	25.13	2.760		

5.Wet Transverse Strength

Sl.No.	Measured Dimension (mm)			Wet Transverse Strength	Average	Requirement as per IS:1237-2012
	L	B	T	(N/mm^2)	(N/mm^2)	
1	401	401	25.02	7.83	7.8	The average wet transverse strength shall not be less than $3N/mm^2$.
2	401	401	25.04	8.16		
3	400	399	25.06	7.51		
4	399	401	25.01	7.88		
5	400	400	25.05	8.25		
6	401	399	25.03	7.29		

Note:
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R KARTHIK RECHAN
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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2018-03-14-01** **Date: 16-03-18**
Customer	:	Assistant Executive Engineer, Project Division, BBMP, Bangalore.
Address	:	Project Division, BBMP, Bangalore.
Project Name	:	Construction of compound wall and other development works to Dr.B.R.Ambedkar Bhavana in Ward No.04 at Yelah
Agency	:	Sri.H.V Omkarappa, Bangalore.
Customer's Reference	:	EE(Project)/YNKZone/AG/120/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-03-18
Sample ID No	:	2018-03-14-01 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	14-03-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.45	–
2	Finess by Air permeablity method (m^2/kg,Min)	285.9	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL PRO Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2018-03-14-01** **Date: 16-03-18**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of compound wall and other development works to Dr.B.R.Ambedkar Bhavana in Ward No.04 at Yelahanka.

Agency : Sri.H.V Omkarappa, Bangalore.

Customer's Reference : EE(Project)/YNKZone/AG/120/2017-18

Sourse of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-18

Sample ID No : 2018-03-14-01/01

Sample Type : Fine Aggregate for Mortar

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 14-03-18

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	25	25	2.5	97.5	90-100
3	1.18 mm	210	235	23.5	76.5	70-100
4	600 micron	172	407	40.7	59.3	40-100
5	300 micron	295	702	70.2	29.8	5-70
6	150 micron	218	920	92.0	8.0	0-15
7	Pan	80	1000	100.0	0.0	0

Asst. Executive Engineer
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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2018-03-14-01** **Date: 16-03-18**

Sample ID No : 2018-03-14-01/01

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.18	_
2	Specific Gravity	2.51	_
3	Material finer than 75 micron(%)	12.2	Crushed Fine aggregate Max 15%

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Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****